



Patent Application
Docket No. 34647-00407USPT

4 message to a mobile switching center in said wireless communication network, said [authentication
5 report order message] Global Challenge Report Directive message including at least one
6 authentication parameter;

7 determining whether an access request made to said wireless communication network is
8 authenticated based on said at least one authentication parameter; and

9 if said access request is authenticated based on said at least one authentication parameter, said
10 mobile switching center transmitting [an authentication report] a Global Challenge Report to said
11 external wireless communication network.

1 2. (Amended) The method of Claim 1, further comprising the step of said mobile switching
2 center transmitting an [acknowledgment message] Global Challenge Report Directive Response
3 message responsive to said a Global Challenge Report Directive message [authentication report order
4 message].

1 4. (Amended) The method of Claim [3] 1, wherein said Global Challenge Report Directive
2 message is formatted in accordance with an ANSI-41 protocol.

1 13. (Amended) A system for monitoring authentication performance in a wireless
2 communication network, comprising:

3 a mobile switching center associated with said wireless communication network;

4 an external network node, said external network node coupled to said mobile switching center
5 by an inter-network transmission interface;

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6 wherein said external network node senses a Global Challenge Report Directive message
7 [means for sending an authentication report order message] to said mobile switching center, said
8 [authentication report order message] Global Challenge Report Directive message including at least
9 one authentication parameter; and

10 [means for determining] wherein said mobile switching center determines whether an access
11 request made to said wireless communication network is authenticated based on said at least one
12 authentication parameter, said mobile switching center [including means for] further transmitting [an
13 authentication report] a Global Challenge Report to said external node if said access request is
14 authenticated based on said at least one authentication parameter.

1 14. (Amended) The system of Claim 13, wherein said mobile switching center further
2 transmits [comprises means for transmitting an acknowledgment message] Global Challenge Report
3 Directive Response message responsive to said [authentication report order message] a Global
4 Challenge Report Directive message.

Please add the following new claims:

1 25. (New). A method for monitoring authentication performance in a wireless
2 communication network, comprising the steps of:

3 sending an ANSI authentication report order message to a mobile switching center in said
4 wireless communication network from an external wireless communication network, said ANSI
5 authentication report order message including at least one authentication parameter;

6 determining whether an access request made to said wireless communication network is

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7 authenticated based on said at least one authentication parameter; and
8 if said access request is authenticated based on said at least one authentication parameter, said
9 mobile switching center transmitting an ANSI-41 Authentication Status Report message to said
10 external wireless communication method.

1 26. (New) The method of Claim 25, further comprising the step of said mobile switching
2 center transmitting an acknowledgment message responsive to said authentication report order
3 message.

1 27. (New) The method of Claim 25, wherein said authentication report order message
2 comprises an ANSI-41 Registration Notification Return Result message.

1 28. (New) The method of Claim 25, wherein said authentication report order message
2 comprises an ANSI-41 Qualification Directive message.

1 29. (New) The method of Claim 25, wherein said authentication report order message
2 comprises an ANSI-41 Authentication Directive message.

1 30. (New). The method of Claim 1, wherein said wireless communication network
2 comprises an ANSI-41 network.